

Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.

Introduction

The purpose of this study is to investigate the effects of the proposed changes on the system. The study is divided into two main parts: a theoretical analysis and an empirical study. The theoretical analysis is based on the principles of the system and the proposed changes. The empirical study is based on the results of the experiments conducted.

Chapter 1

The first chapter discusses the background of the system and the proposed changes. It also discusses the objectives of the study and the scope of the work. The chapter is divided into two main sections: a description of the system and a description of the proposed changes. The description of the system is based on the principles of the system and the proposed changes. The description of the proposed changes is based on the results of the experiments conducted.

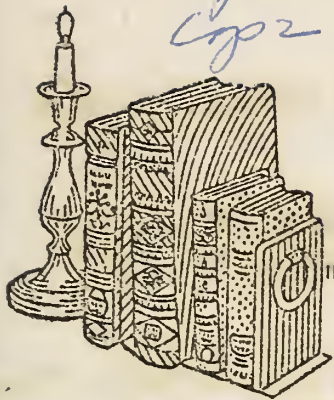
Chapter 2

The second chapter discusses the theoretical analysis of the system and the proposed changes. It also discusses the objectives of the study and the scope of the work. The chapter is divided into two main sections: a description of the system and a description of the proposed changes. The description of the system is based on the principles of the system and the proposed changes. The description of the proposed changes is based on the results of the experiments conducted.

Chapter 3

The third chapter discusses the empirical study of the system and the proposed changes. It also discusses the objectives of the study and the scope of the work. The chapter is divided into two main sections: a description of the system and a description of the proposed changes. The description of the system is based on the principles of the system and the proposed changes. The description of the proposed changes is based on the results of the experiments conducted.

The fourth chapter discusses the conclusions of the study and the implications of the results. It also discusses the objectives of the study and the scope of the work. The chapter is divided into two main sections: a description of the system and a description of the proposed changes. The description of the system is based on the principles of the system and the proposed changes. The description of the proposed changes is based on the results of the experiments conducted.



LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE

PHILADELPHIA BRANCH LIBRARY
Bankers Securities Building
Juniper and Walnut Streets
Philadelphia 7, Pa.

Fourth Floor
Room 403

Telephone
Pennypacker 5-6978.

LIBRARY NEWS

Vol. 13, Nos. 1-2.

January-February 1953.

SPECIAL FEATURES IN THIS ISSUE

- I. Review, by G. P. Kramer, U. S. Forest Service, Region 7, of Dr. Hardy L. Shirley's new book, Forestry and Its Career Opportunities. See Page Six.
- II. Review, by John R. McGuire, U. S. Forest Service, Northeastern Forest Experiment Station, of S. V. Ciriacy-Wantrup's recent book, Resource Conservation; Economics and Policies. See Page Six.

NEW BOOKS IN YOUR LIBRARY

Black, John D. and Brinser, Ayers. PLANNING ONE TOWN; PETERSHAM, A HILL TOWN IN MASSACHUSETTS. Cambridge, Harvard University Press, 1952. 75 p.
281.039 B56

Bromfield, Louis. THE WEALTH OF THE SOIL. Detroit, Harry Ferguson, Inc., 1952. 32 p.

Childs, Marquis. THE FARMER TAKES A HAND: The Electric Power Revolution in Rural America. New York, Doubleday, 1952. 256 p. 335 C432.
The author dedicates this book to four men of the Rural Electrification Administration killed in an airplane accident on June 30, 1951 and to all others "who have lost their lives in the line of duty helping to carry out a great social transformation."

Colm, Gerhard. THE AMERICAN ECONOMY IN 1960. Washington, 1952. 166 p.
(National Planning Pamphlets No. 81.) 280.9 N2153, No. 81.

Food and Agriculture Organization of the United Nations. THE WORK OF THE FAO 1951/52. Report of the Director-General October 1952. Rome, 1952. 32 p.
389.9 F735Dg

- International Business Machines Corporation. CONTINUOUS FOREST INVENTORY with IBM Mark Sensing. New York, 1952. 8 p.
- Kentucky Geological Survey. BOYLE-DUFFIN-OHIO SHALE RELATIONSHIPS, by A. C. McFarlan and W. H. White. Lexington, 1952. 24 p. (Bulletin No. 10.) 406 K41, no. 10.
- Kentucky Geological Survey. GEOLOGY OF THE GUFFIE AREA, MCLEAN AND DAVIESS COS., KENTUCKY, by R. L. Bowen. Lexington, 1952. 39 p. (Bulletin No. 9.) 406 K41, no. 9.
- Lush, R. H. PASTURE PRODUCTION AND PASTURE MANAGEMENT. New York, Blakiston, 1952. 193 p. 60.1 L97
"A wealth of pasture information...The two chapters, Establishing New Pastures, and Management of Old Pastures, get down to earth and give some information that we can get hold of and use...Chapters on nutritive value of pastures, pastures for dairy cattle, beef cattle, sheep, goats, horses and mules, swine, poultry, utilization of grass, pasture pests and diseases, weed control, etc." R. Y. Bailey, Journal of Soil and Water Conservation, January 1953.
- Maryland State Planning Commission. RECREATION IN WESTERN MARYLAND, A MAJOR ECONOMIC ASSET. Baltimore, 1951. 194 p. (Publication no. 73.) 280.7 M36Pu, no. 73.
- Minnesota Historical Society. Forest Products History Foundation. FORESTS OF THE FUTURE? St. Paul, 1952. 283 p.
The story of David Townsend Mason as extracted from his diaries from 1907 to the present by Rodney C. Loehr.
"In graphic form the active life of a man who knows the forest lands of the United States intimately, who has met and known many of the principal lumbermen and timber owners, and who for the past 25 years has led a continuous personal crusade to promote sound forest management of privately owned lands." The Preface.
- Moses, Ben Duncan and Frost, Kenneth B. FARM POWER. New York, Wiley, 1952. 484 p. 58 M855
- Nash, B. I. STAFFING THE PRESIDENCY. A Special Committee Report. Washington, 1952. 78 p. (National Planning Pamphlets No. 80.) 280.9 N2153, no. 80.
- New York (State) Bureau of Adult Education. RETIREMENT-A SECOND CAREER. Albany, 1952(?). 70 p. (Bulletin no. 8 rev.)
- Northeast Pulpwood Research Center. FOREST PRACTICE SURVEY REPORT. 191 p. Gorham, New Hampshire, 1952. 99.551 N81
- Northeastern Weed Control Conference. PROCEEDINGS, 7th annual meeting, January 1953. New York, 1953. 353 p. 79.9 N814
- Northeastern Wood Utilization Council. PULPWOOD FROM SMALL WOODLANDS. New Haven, 1953. 77 p. (Bulletin No. 40.) 99.9 N19B, no. 40.

- Pennsylvania State Planning Board. AN ECONOMIC BACKGROUND FOR REGIONAL PLANNING IN THE ANTHRACITE COUNTIES. Harrisburg, 1952. 20 p. 280.7 P37Ec
- Staten, Hi Williamson. GRASSES AND GRASSLAND FARMING. New York, Devin-Adair, 1952. 319 p. 60.1 St22
- U. S. Geological Survey. THE GROUND-WATER RESOURCES OF SCHENECTADY COUNTY, NEW YORK, by E. S. Simpson. Albany, N. Y. Water Power and Control Commission, 1952. 110 p. (Bulletin GW-30.) 406 N48.
- U. S. Geological Survey. THE GROUND-WATER RESOURCES OF WAYNE COUNTY, New York, by R. E. Griswold. Albany, N. Y. Water Power and Control Commission, 1951. 61 p. (Bulletin GW-29.) 406 N48
- U. S. Office of Foreign Agricultural Relations. WORLD FOOD SITUATION 1953. Washington, 1953. 35 p. 1.943 F7625 1953
- West Virginia. University. Bureau of Business Research. THE MANUFACTURING INDUSTRIES OF WEST VIRGINIA, by James H. Thompson. Morgantown, 1952, 67 p. 297 W52
- West Virginia. University. Geological and Economic Survey. NATURAL RESOURCES OF WEST VIRGINIA, by Paul H. Price. Morgantown, 1952. 16 p. 406 W52N

BIBLIOGRAPHIES

- U. S. Bureau of Plant Industry, Soils and Agricultural Engineering. BIBLIOGRAPHY OF WEED INVESTIGATIONS FOR... 1.965 W2B47
- 1950 111 p. 1951.
- Jan.-Mar. 1951. 41 p. April 1951.
- Apr.-June 1951. 52 p. July 1951.
- July-Sept. 1951 34 p. January 1952.
- Oct.-Dec. 1951. 21 p. April 1952.
- Jan.-Mar. 1952. 25 p. July 1952.
- U. S. Bureau of the Budget. Library. REORGANIZATION OF THE EXECUTIVE BRANCH OF THE FEDERAL GOVERNMENT 1923-1952: AN ANNOTATED BIBLIOGRAPHY. Washington, 1952. 31 p. 151.281 P96R

FOR REFERENCE

- New York-World Telegram. THE WORLD ALMANAC 1953. New York, 1953. 896 p. 250 W89 1953
- U. S. Bureau of the Census. COUNTY BUSINESS PATTERNS, MANUFACTURING ESTABLISHMENTS, EMPLOYMENT...1950. Washington, 1952. 157.41 C332C
- Pt. 1, U. S. Summary. 30 p.
- Pt. 2, no. 1, New England, Middle Atlantic. 60 p.
- Pt. 2, no. 3, South Atlantic, East South Central, West South Central. 72 p.
- U. S. National Archives and Records Service. UNITED STATES GOVERNMENT ORGANIZATION MANUAL 1952-53. Washington, 1952. 742 p. 173.2 N212U
- This was published too early to incorporate the changes for 1953.

THE NORTHEAST IN PRINT

- Barraclough, Solon. A KEY TO FORESTRY IN NEW HAMPSHIRE, THE PREDOMINANCE OF SMALL FOREST OWNERSHIP. Forest Notes, August 1952, pp. 3-8. The author is with the Northeastern Forest Experiment Station, Upper Darby, Pa.
- Beaumont, Arthur B. THE HAPPY HADALAS. (The story of the Hadala Farm, Adams, Berkshire Co., Massachusetts.) New England Homestead, Feb. 14, 1953, pp. 8-9. Dr. Beaumont is State Conservationist, Soil Conservation Service, Amherst, Massachusetts.
- Brünson, M. H. and Koblitsky, Louis. PARATHION, DDT AND EPN DEPOSITS ON PEACH FOLIAGE AND FRUIT. Journal of Economic Entomology, December 1952, pp. 953-957. The authors are at the BEPQ Laboratory, Moorestown, N. J.
- Cochran, A. R. FIRE CONTROL TRAINING IN EASY YEARS. Fire Control Notes, January 1953, pp. 40-41. Mr. Cochran is in charge of fire control work in the U. S. Forest Service, Region 7, Philadelphia, Pa.
- Eames, Hugh F. THREE REMARKABLE YEARS. The Dramatic Story of What Happened in a Pennsylvania County when All Major Forces Teamed Together in Spirited Support of a Soil Conservation District. (Columbia Co., Pa.) Soil Conservation, March 1953, pp. 171-179, 187-188. Mr. Eames is with the Soil Conservation Service, Upper Darby, Pa.
- Eger, B. A. FIRE CONTROL, WILDLIFE AND COOPERATION. Virginia Wildlife, November 1952, pp. 10-11. Mr. Eger is District Ranger, George Washington National Forest, Virginia.
- Hay, Donald G. and Larson, Olaf. USE OF HEALTH RESOURCES BY RURAL PEOPLE IN TWO WESTERN NEW YORK COUNTIES, 1950. (Cornell Agricultural Expt. Sta. Mimeograph Bulletin 31.) Ithaca, N. Y., 1952. 38 p. 100 N48M Mr. Hay, who has been for seven years with the Bureau of Agricultural Economics at various points in the northeast, recently transferred to North Carolina.
- Hurlburt, Virgil L. ECONOMIC EFFECTS OF FLEXIBLE LAND CREDIT AGREEMENTS. Journal of Farm Economics, February 1953, pp. 110-121. Mr. Hurlburt, now in Iowa, was for a number of years with the Bureau of Agricultural Economics, Upper Darby, Pa.
- Little, S., Somes, H. A. and Allen, J. CHOOSING SUITABLE TIMES FOR PRESCRIBED BURNING IN SOUTHERN NEW JERSEY. Fire Control Notes, January 1953, pp. 21-25. Two of the authors are with the Northeastern Forest Experiment Station at the Lebanon Experimental Forest, New Lisbon, New Jersey.
- McGuire, John R. WHAT WILL THE PULP MILLS BUY? Northeastern Wood Utilization Council, Bulletin No. 40, pp. 17-25. Mr. McGuire is with the Northeastern Forest Experiment Station, Upper Darby, Pa.
- McIntyre, A. C. Review of "Highlights in the History of Forest Conservation." Journal of Soil and Water Conservation, November 1952, p. 246. Mr. McIntyre is Woodland Specialist, Soil Conservation Service, Upper Darby, Pa.
- McKain, Walter C. EFFECT OF DECENTRALIZATION ON LAND USE IN CONNECTICUT. Connecticut Woodlands, January 1953, p. 16. Dr. McKain, now at the University of Connecticut, was formerly with BAE in Upper Darby, Pa.
- McKeever, Ivan. WHY SOIL CONSERVATION DISTRICTS. Pennsylvania Farmer, July 26, 1952, pp. 44-45, 62. Mr. McKeever is State Conservationist, Soil Conservation Service, Harrisburg, Pa.
- Mitcheltree, W. A. and Slayback, H. R. TEACHING BASIC PRINCIPLES PUTS CONSERVATION ON THE LAND. Journal of Soil and Water Conservation, January 1953, pp. 44-48. Mr. Slayback is Extension Soil Conservationist in New Jersey.

NORTHEAST IN PRINT (cont.)

- Otis, G. Sterling. TEACHERS SEE WATERSHED. Soil Conservation, March 1953, p. 191. Mr. Otis is Work Unit Conservationist at Trenton, N. J. in the Freehold Soil Conservation District.
- Partain, Lloyd E. LAND: KEY TO INDUSTRIAL PROGRESS. Journal of Soil and Water Conservation, January 1953, pp. 9-13, 36. A paper presented at the Conservation Conference for Representatives of Business, Industry and Finance, University of Michigan, September 12-13, 1952.
- Roth, Bernhard A. COUNTRY EDITORS GIVE IMPETUS TO ISLAND FARMING (Martha's Vineyard). Soil Conservation, February 1953, pp. 156-160. Mr. Roth is with the Soil Conservation Service, Upper Darby, Pa.
- Roth, Bernhard A. DISTRICT PROFILE-OLIVER HYATT OF NEW YORK (Rensselaer Co.). Soil Conservation, February 1953, pp. 149-150.
- Simmons, Fred C. AIR DRYING IN UNIT PACKAGES. Twelfth Vermont Wood Products Conference Proceedings (1952), pp. 5-13. Mr. Simmons is with the Forest Utilization Service, Northeastern Forest Experiment Station, Upper Darby, Pa.
- Simmons, Fred C. HARVESTING PULPWOOD ON SMALL HOLDINGS. Northeastern Wood Utilization Council, Bulletin 40, January 1953, pp. 49-62.
- Simmons, Fred C. THE QUESTION CORNER. Northeastern Logger, February 1953, p. 10. This is to be a regular monthly feature.
- Slater, C. S. SOIL CONDITIONERS IN SOIL CONSERVATION. Agricultural Engineering, February 1953, pp. 98, 100, 102.
- Swingler, W. S. FORESTRY AS A PART OF THE FARM ENTERPRISE, Journal of Soil and Water Conservation, January 1953, pp. 29-32. Mr. Swingler, now in the Washington Office of the U. S. Forest Service, was formerly Regional Forester in this region.
- Warfield, Emma Louise. AS I TRAVEL. Pennsylvania Forests, Oct/Nov/Dec 1952, p. 88. Miss Warfield is with the Soil Conservation Service, Upper Darby, Pa.
- Weitzman, Sidney. FACTS FROM FERNOW FOREST: MINE TIMBERS-GROWTH AND HARVEST. West Virginia Conservationist, December 1952, pp. 4-5, 22-24. This is the 4th of a series of articles prepared by Mr. Weitzman who is in charge of the Mountain State Research Center, Northeastern Forest Experiment Station, Elkins, West Virginia.
- Williams, Ellis T. THE SMALL TIMBER OWNER AND HIS FEDERAL INCOME TAX. USDA Agriculture Handbook No. 52, February 1953, 55 p. Mr. Williams, now in the Washington office of the U. S. Forest Service, was formerly with the Northeastern Forest Experiment Station, Upper Darby, Pa. "Written in non-technical language, the handbook was prepared for the timber owner and also for those who advise him on his tax problems...A committee of the Society of American Foresters had an important part in the conception and development of this handbook. It has been approved by the Bureau of Internal Revenue." Information Digest, Washington Office, USFS.
- Wright, Jonathan W. POLLEN DISPERSAL STUDIES: SOME PRACTICAL APPLICATIONS. Journal of Forestry, February 1953, pp. 114-118. Dr. Wright is Geneticist with the Northeastern Forest Experiment Station, Morris Arboretum, Philadelphia, Pa.

FORESTRY AND ITS CAREER OPPORTUNITIES*

By Hardy L. Shirley

Comment by G. P. Kramer, In Charge of Training and Safety
U. S. Forest Service, Eastern Region, Philadelphia, Pa.

This recent book, written by Dr. Hardy L. Shirley, Dean of the New York State College of Forestry at Syracuse University, fills a long-felt need in the forestry literature of our country.

He has brought together a surprising amount of information relative to the profession of forestry - starting with its history and its development in the United States. He has outlined the major fields in the profession and describes very well the type of work being done by foresters and the opportunities available to all of the employing agencies, both public and private.

For the young forester or one contemplating entering the profession, it is "must" reading for it will serve to orient his thinking on the profession and help him to make his decision to enter or to continue forestry as a career. It may serve to disillusion a few who have the erroneous opinion or impression that a career in forestry would be the same as a 12 months vacation with pay.

To those engaged in guidance work, or to the layman interested in general knowledge concerning forestry, this book should prove to be of value. To many graduate foresters it would reorient their thinking relative to the magnitude and the new and diversified opportunities in the forestry field.

The writer has incorporated many fine illustrations in his book along with up-to-date, readily understood tables covering forest resources, land use, utilization, and data concerning the personnel in the profession. All of which makes the book both interesting and worthwhile.

*Shirley, Hardy L. FORESTRY AND ITS CAREER OPPORTUNITIES. New York, McGraw-Hill, 1952, 492 p. 99.06 Sh6

RESOURCE CONSERVATION--ECONOMICS AND POLICIES**

By S. V. Ciriacy-Wantrup

Comment by John R. McGuire, Northeastern Forest
Experiment Station, Forest Service, Upper Darby, Pa.

If you enjoyed reading the circular, "Dollars and Sense in Conservation", you will want to read this book. It is a well-edited, easy-to-read expansion of the same ideas to the whole subject of conservation of agricultural resources. The circular was published in 1951 by the California Agricultural Experiment Station at Berkeley where Dr. Ciriacy-Wantrup is agricultural economist and professor of agricultural economics at the University of California.

The book attempts an economic analysis of conservation with particular emphasis on the time factors, distribution goals and other economic forces that affect changing uses of natural resources. The analysis is in two parts. The first covers the "private economics of conservation". Variables such as income, time preference, uncertainty and prices are considered in relation to the "optimum state of conservation". Interesting reading will be found in chapters on property tenure, credit, taxation and markets. The second part deals with the "social economics of conservation". Here are considered the various direct tools of conservation policy: education, zoning, subsidies, regulation of private use, international cooperation and others. Better coordination of public conservation policy is advocated.

USDA readers may be particularly interested in the author's use of the "critical zone" concept. This is the idea that, below some level, the decrease in flow of certain renewable resources "cannot be reversed economically under presently foreseeable conditions."

Also of interest are the author's conclusions regarding better coordination of federal conservation policy. He makes four recommendations: (1) Expand the planning and review division of the Bureau of the Budget so that it can handle all top-level aspects of conservation policy. (2) Consolidate federal resource functions in two departments--flow resources in Agriculture and stock resources and power in Interior. (You may wish to compare this with the recommendations of the Hoover Commission.) (3) Consolidate Congressional committees dealing with resources along the same stock and flow lines. (4) Improve federal-state coordination by arranging for state consultation before new resource legislation is enacted and by employing federal regions of appropriate size with more decentralization of authority to regional administrators. This coordination is held to be more essential than river-basin authorities since "modern technology tends to render a natural watershed obsolete as an independent unit for planning, administration, and construction".

**Ciriacy-Wantrup, S. V. RESOURCE CONSERVATION--ECONOMICS AND POLICIES.
Berkeley, University of California Press, 1952. 395 p. 279 C49

A FEW RECENT BULLETINS

Agriculture - Vermont.

Tremblay, Raymond. AGRICULTURE IN THE UPPER WINOOSKI VALLEY. Burlington, Vt.
Agr. Expt. Sta., 1952. 83 p. (Bull. 567.) 100 V59

Farmhouse planning.

U. S. Dept. of Agriculture. YOUR FARMHOUSE CUT-OUTS TO HELP IN PLANNING.
Washington, 1952. 55 p. (Home and Garden Bull. no. 22.) 1 Ag84Hg

Flood Control and Watershed Management.

Klawner, Ariel FEDERAL FLOOD CONTROL OPERATIONS IN NEW YORK STATE. Ithaca, N. Y. State College of Agriculture, 1953. 34 p. (AE-841). 281.9 C81
Lassen, Leon, Lull, Howard W. and Frank, Bernard SOME PLANT-SOIL-WATER RELATIONS IN WATERSHED MANAGEMENT. 64 p. (USDA Circular 910.) Washington, 1952. 1 Ag84C

Grasses and Legumes.

Eakin, James H., Jr. BIRDSFOOT TREFOIL. State College, Pennsylvania Agr. Extension Service, 1952. 9 p. (Ext. Circ. 411.) 275.29 P38
Wagner, R. E. YIELDS AND BOTANICAL COMPOSITION OF FOUR GRASS-LEGUME MIXTURES UNDER DIFFERENTIAL CUTTING. Washington, 1952. 53 p. (USDA Techn. Bull. 1063.) 1 Ag84Te

Livestock Feeding.

U. S. Department of Agriculture. BETTER FEEDING OF LIVESTOCK. Washington, 1952. 61 p. (USDA Farmers Bull. 2052.) 1 Ag84F

Rural Lands.

Davidson, R. D. FEDERAL AND STATE RURAL LANDS, 1950 with special reference to grazing. Washington, 1952. 100 p. (USDA Circ. 909.) 1 AG84C

Strip-mined Lands.

Deitschmann, Glenn H. and Lane, Richard D. FOREST PLANTING POSSIBILITIES ON INDIANA COAL-STRIPPED LANDS. Columbus, Ohio, Central Forest Expt. Sta., 1952. 57 p. (Technical Paper no. 131.) 1.9622 C3T222
Limstrom, G. A. EFFECTS OF GRADING STRIP-MINED LANDS ON THE EARLY SURVIVAL AND GROWTH OF PLANTED TREES. Columbus, Ohio, Central Forest Expt. Sta., 1952, 35 p. (Technical Paper No. 130.) 1.9622 C3T222

Watering Farm Gardens.

Arnold, Earl L. USING ELECTRICITY TO WATER YOUR GARDEN. Washington, 1952. 22 p. (USDA Farmers Bull. 2044) 1 Ag84F

Wildlife.

Wildlife Management Institute. FEDERAL AID IN FISH AND WILDLIFE RESTORATION. Annual Reports of the Dingell-Johnson and Pittman-Robertson Programs for the Fiscal Year Ending June 30, 1952. Washington, 1952. 72 p. 279.9 W64

Sarah W. Parker
Librarian

Jeannie Levinson
Asst. Librarian

